## EAST Search History

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	[("4739514") or ("5204909") or ("20030026441") or ("74123711") or ("6798197") or ("4947133") or ("4055818") or ("5559324") or ("5481617") or ("55090800") or ("6194330") or ("6194330") or ("6194330")	US-PGPUB; USPAT	OR	OFF	2007/11/07 17:13
S3	1	korner.in. and harmonic and splitter and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:34
S4	5	(("20040022400") or ("6215879") or ("6023513") or ("3828133") or ("20010034252")) .PN.	US-PGPUB; USPAT	OR	OFF	2007/11/09 14:12
S5	1	("5923766") .PN.	US-PGPUB; USPAT	OR	OFF	2006/11/08 18:02
S6	973	(381/98).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:42
S7	43	381/98-109.cds. and harmonic same filter same amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:09
S8	1	("20010034252").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/12 15:42
S9	35	381/98-109.cds. and harmonic and filter and amplifier and (phone ringer ring polyphonic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:37
S10	594	harmonic same (phone ringer ring polyphonic) same filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:45
S11	0	harmonic same (polyphonic near2 ring\$2) same filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:46
S12	1	harmonic same (polyphonic near2 ring\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:46
S13	11	harmonic and (polyphonic near2 ring\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:02
S14	0	(polyphonic near2 ring\$2) same (bandwidth near2 expan \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:48
S15	43	(ring\$2 ringer) same phone same harmonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:59
S16	0	(ring\$2 ringer) same phone same harmonic same (bandwidth near2 expan\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:49

S17	3	"455"/\$.ccls. and harmonic same (bandwidth near3 expan \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:59
S18	3	"455"/\$.ccls. and (harmonic harmonics) same (bandwidth near3 expan\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:01
S19	198	"455"/\$.ccls. and (harmonic harmonics) same (speech ringer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:05
S20	3	"455"/\$.ccls. and (add\$3 near4 (harmonic harmonics)) same (speech ringer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:05
S21	52	381/61,98-109.ccls. and harmonic same filter same amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:49
S22	610	(381/61).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:49
S23	145	S22 and (ring ringer phone speech)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:50
S24	40	S22 and (ring ringer phone speech) and (harmonic harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:50
S25	11	harmonic and (polyphonic near2 ring\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:03
S26	107029	((polyphonic near2 ring\$2) speech)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:03
S27	3	((polyphonic near2 ring\$2) same speech)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:20
S28	5	(polyphonic near2 ring\$2) same (harmonic harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:09
S29	7	(polyphonic near2 ringer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:22
S30	120	(polyphonic near2 sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:22
S31	4	(polyphonic near2 sound) same (harmonic harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:28
S32	14	(polyphonic near2 music) same (harmonic harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:31
S33	226	(polyphonic near2 tone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:31

S34	16	(polyphonic near2 ring near2 tone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:51
S35	0	("EP-994464-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:51
S36	0	("EP-994464-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:52
S37	0	("EP-994464-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 17:52
S38	0	("EP-994464-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 17:52
S39	0	("EP-1161076-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 17:52
S40	0	("EP-161076-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 18:18
S41	4	(("4700390") or ("5581652")). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 18:18
S42	1	korner.in. and harmonic and splitter and audio and (out-of- band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 15:01
S43	4	381/98-109.cds. and (out near2 band near2 (harmonics harmonic)) and filter and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:59
S44	83	(out near2 band near2 (harmonics harmonic)) and filter and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:41
S45	35	(out near2 band near2 (harmonics harmonic)) and filter and amplifier and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:47
S46	637	(381/61).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:42
S47	238	(381/101).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:42
S48	41	(out near2 band near2 (harmonics harmonic)) and amplifier and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:48

S49	28	(creat\$3 produc\$3) with (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:53
S50	1	((increas\$3 elongat\$4 stretch \$3) with bandwidth) same (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:54
S51	1	((increas\$3 elongat\$4 stretch \$3) with (bandwidth(data near2 transmission near2 rate))) same (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:55
S52	32	((increas\$3 elongat\$4 stretch \$3) with (bandwidth(data near2 transmission near2 rate))) and (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:56
S53	20	((increas\$3 elongat\$4 stretch \$3) near4 (bandwidth(data near2 transmission near2 rate))) and (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:56
S54	1	381/61,98-109.ccls. and filter near3 separa\$3 near3 upper near3 (passband (pass adj2 band))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/11 09:51
S55	0	korner.in. and harmonic and splitter and audio and (out-of- band) and (upper same passband)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 15:02
S56	0	korner.in. and harmonic and splitter and audio and (out-of- band) and (upper same pass- band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 15:02
S57	1	korner.in. and harmonic and splitter and audio and (out-of- band) and (upper)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 15:02
S58	5	(("20040022400") or ("6215879") or ("6023513") or ("3828133") or ("20010034252")).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:06
S59	0	\$58 and (harmonic harmonics) and (out near2 band)	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:06
S60	5	S58 and (harmonic harmonics)	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:06
S61	1	381/61,98-109.ccls. and generat \$3 with (out-of-band with harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/14 14:17
S62	23	generat\$3 with (out-of-band with harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/11 09:52
S63	4	(generat\$3 produc\$3 creat\$3) adj3 out-of-band adj3 harmonics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/11 09:53

S64	41	381/61,98-109.ccls. and (harmonics) and (adjust\$4 near3 amplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/14 14:18
S65	11	381/61,98-109.ccls. and (harmonics) and (adjustable near3 amplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/14 14:18
S66	2	(("3828133") or ("20010034252")).PN.	US-PGPUB; USPAT	OR	OFF	2007/11/07 17:17
S67	0	"381"/\$.ccls. and (add\$3 with out-of-band with harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/07 17:18
S68	9	"381"/\$.ccls. and (out-of-band with harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/07 17:20
S69	2	"704"/\$.ccls. and (out-of-band with harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/07 17:22
S70	116	(out-of-band with harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 11:31
S71	30	"381"/\$.ccls. and (out-of-band with (harmonics acoustics noise))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/07 17:35
S72	40	(out-of-band adj2 harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/08 11:05
S73	0	(out-of-band) same ((extend\$3 lengthen\$3 stretch\$3) with bandwidth with audio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 11:32
S74	6	(out-of-band) and ((extend\$3 lengthen\$3 stretch\$3) with bandwidth with audio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 13:26
S75	0	(out adj2 of adj2 band) and ((extend\$3 lengthen\$3 stretch \$3) with bandwidth with audio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 14:03
S76	12	(out adj2 band) and ((extend\$3 lengthen\$3 stretch\$3) with bandwidth with audio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 13:31
S77	6	( add\$3 near3 harmonics) and ((extend\$3 lengthen\$3 stretch \$3) with bandwidth with audio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 13:31
S78	5	(("20040022400") or ("6215879") or ("6023513") or ("3828133") or ("20010034252")).PN.	US-PGPUB; USPAT	OR	OFF	2007/11/09 13:43
S79	5	S78 and harmonic\$1	US-PGPUB; USPAT	OR	OFF	2007/11/09 13:44
S80	401	(700/500,214).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 14:04
S81	1	("5828755").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/09 14:12

S82	8	"381"/\$.ccls. and (out-of-band near5 harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/05/16 13:59
S83	684	(381/61).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/05/16 14:05
S84	5	(("20040022400") or ("6215879") or ("6023513") or ("3828133") or ("20010034252")).PN.	US-PGPUB; USPAT	OR	OFF	2008/05/16 14:28
S85	3	S84 and (\$4phone organi\$3 pager)	USPAT	OR	OFF	2008/05/16 14:28
S86	272	(704/225).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/05/16 14:36
S87	1091	(381/98).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 00:53
S88	714	(381/61).OOLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 00:54
S89	4135	(381/98-109).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 00:54
S90	1	korner.in. and harmonic and splitter and audio and (polyphonic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 00:54
S91	5	(("20040022400") or ("6215879") or ("6023513") or ("3828133") or ("20010034252")).PN.	US-PGPUB; USPAT	OR	OFF	2008/12/22 01:00
S92	1756	(704/205).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 01:00
S93	0	(polyphonic near5 ring) near20 bandwidth near20 harmonic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 01:02
S94	2	(polyphonic near5 ring) near20 harmonic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 15:24
S95	11	["20010016483"   "20020107009"   "20020111171"   "20030109251"   "2004013788"   "20040121818"   "20040128471"   "20040219953"   "6418330").FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 15:25
S96	1	(polyphonic near5 ring) near20 bandwidth	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 15:26

S97	100	(polyphonic near5 ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 15:26
S98	15	(polyphonic near5 ring) and harmonic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/22 15:26
S99	2	(polyphonic near2 ring\$3) near20 (harmonic\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 10:51
S100	20	(polyphonic near2 ring\$3) and (harmonic\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 10:52
S101	1139	(455/567).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 12:24
S102	3763	(84/609,610,617,622- 626,634,649-650,655,659- 661,666).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 12:25
S103	328	S102 and polyphonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 12:25
S104	10	S102 and (polyphonic near5 ring\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 12:25
S105	33	S102 and (polyphonic near5 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 12:29
S106	0	S102 and polyphonic near20 ((extend\$3 increas\$3) near4 bandwidth)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 12:29
S108	4	S102 and polyphonic and ((extend\$3 increas\$3) near4 bandwidth)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 12:29
S109	26	S102 and (polyphonic near20 harmonic\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 12:31
S110	3763	(84/609,610,617,622- 626,634,649-650,655,659- 661,666).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 16:48
S111	0	S110 and polyphonic near20 (bandwidth)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 16:48
S112	4	S110 and polyphonic and ((extend\$3 increas\$3) near4 bandwidth)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/29 16:48
S113	10	(polyphonic near10 ring\$5) and ((extend\$3 increas\$3) near4 bandwidth)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/30 10:50
S114	8	(polyphonic near10 ring near10 tone\$1) and ((extend\$3 increas \$3) near4 bandwidth)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/30 10:53

S115	25	(polyphonic near10 ring near10 tone\$1) and ( bandwidth)	US-PGPUB; USPAT; USOCR; FPRS, EPO, JPO	OR	OFF	2008/12/30 10:54
S116	192	(polyphonic near10 ring\$5) and ( bandwidth)	US-PGPUB; USPAT; USOCR, FPRS, EPO, JPO	OR	OFF	2008/12/30 12:12
S117	2	(polyphonic near10 ring\$5) near20 harmonic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/30 13:16
S118	47	(polyphonic near10 ring\$5) and harmonic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/30 13:19
S119	2	("20030205124"   "6111183"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 14:21
S120	269	\$4phone\$1 near20 polyphonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/31 09:24
S121	3	\$4phone\$1 near20 polyphonic near20 harmonic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/31 10:05
S122	1139	(455/567).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/31 10:21
S123	3	S122 and polyphonic and bandwidth	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/31 10:21
S124	3	S122 and polyphonic and (transmis\$4 near5 rate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/31 10:24
S125	8	polyphonic and (transmis\$4 near5 rate) and harmonic\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/31 10:24
S126	30	polyphonic and (transmis\$4 near5 rate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/31 15:57
S127	4	(add\$3 near10 harmonic\$1 near10 polyphonic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/01/01 13:08
S128	5	(add\$3 near20 harmonic\$1 near20 polyphonic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/01/01 13:09
S129	1	("4526081").PN.	USPAT; USOCR	OR	OFF	2009/01/01 13:16
S130	1	("4149440"). PN.	USPAT; USOCR	OR	OFF	2009/01/01 13:17
S131	1	korner in, and harmonic and splitter and audio and alert	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO	OR	OFF	2009/01/02 09:12

<sup>1/5/2009 9:18:12</sup> AM

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